

**ADDENDUM #2
TO SPEC. 05-058**

**Pine Lake Road Widening 40th to 60th Street from
Thompson Creek to Shadow Pines
CIP 700014**

Addendum #2 to Spec. 05-058 for above project to be opened on **Wednesday, March 16, 2005 at 12:00 noon.**

Non-mandatory pre-bid conference was held Thursday, March 3, 2005 at City of Lincoln, Public Works-Engineering Services, 531 Westgate Blvd, Training Room, from 10:00 AM until 12:00 NOON. The purpose of this meeting was to review bid documents and answer any questions. The minutes from the meeting and subsequent changes are posted on the City of Lincoln, Purchasing website. All prospective bidders are to go to the website and download all addendums and acknowledge receipt in the bid submittal document.

Website: <http://www.lincoln.ne.gov/city/finance/purch/spec/index.htm>

Dated this 9th day of March, 2005.

Purchasing Department

Mary L. Long
Assistant Purchasing Agent

**ADDENDUM #2
TO SPEC. 05-058**

March 9, 2005

**Pine Lake Road Widening 40th to 61st Street
& S. 56th Street from
Thompson Creek Blvd. To Shadow Pines Drive.**



Addendum #2 to Spec. 05-058 for above project to be opened on Wednesday, March 16, 2005 at 12:00 noon. **Any and all additional questions need to be in writing to Mary Long in the Purchasing Department by noon, Monday, March 14, 2005. No questions will be answered after this time.** Mary's fax number is 441-6513 or her e-mail is mlong@lincoln.ne.gov.

Please note the following changes to the bid package:

A revised Bidding Schedule is included as part of Addendum #2. Please replace the original Bidding Schedule in the bid package with the revised Bidding Schedule. A summary of the Bidding Schedule modifications are listed in this addendum for your information.

BIDDING SCHEDULE MODIFICATIONS:

Page 3: Item No. 07.0005 Delete the item "Concrete Sidewalk, 6" Thick" from the Bidding Schedule. This will be paid for as "Concrete Sidewalk 4" Thick."

Page 3: Item No. 07.0020 Change the quantity for the pay item "Concrete Sidewalk 4" Thick" from 96,662.000 S.F. to 104,515 S.F.

Page 3: Item No. 07.0040 Change the quantity for the pay item "Concrete Driveway, 5" Thick" from 5,151.000 S.F. to 5,219 S.F.

Page 4: Delete Item No. 32.0005 "Temporary Seeding (Perennial Ryegrass)"

Page 4: Add Item No. 50.0020 "Cover Crop", Quantity = 8.000 Ac.

Page 5: Item No. 50.0001 Change the item description from "Sign Sleeve Breakaway Anchor" to "Ground Sleeve."

Page 6: Add Item No. 21.1680 "Remove 15" R.C. Flared End Section", Quantity 1 Ea.

Page 9: Delete Item No. 21.1080 "Tap Existing R.C. Box."

Page 9: Delete Item No. 50.0001 "Misc. Remove 36" R.C. Plug."

Page 10: Item No. 23.0490 Change the quantity for the pay item "Hydrant Complete L=5.5'" 10.000 Ea to 9.000 Ea.

Page 10: Add Item No. 23.0492 "Hydrant, Complete L=6.5'", Quantity 1 Ea.

Page 11: Delete Item No. 23.0652 "12" Dual Purpose Sleeve, M.J. (L=15")."

Page 11: Delete Item No. 23.0654 "6" Dual Purpose Sleeve, M.J. (L=15")."

Page 12: Delete Item No. 50.0001 "Misc. 24" Dual Purpose Sleeves, M.J."

Page 12: Item No. 24.0225 Change the quantity for the pay item "Relocate Metro Street Name Sign" from 1.000 Ea. to 2.000 Ea.

Page 13: Item No. 24.0807 Change the quantity for the pay item "Pull Box Type, PB-9" from 19.000 Ea. to 15.000 Ea.

Page 13: Item No. 24.0810 Change the quantity for the pay item "Pull Box, Type FOR27" from 39.000 Ea. to 38.000 Ea.

Page 13: Item No. 24.0903 Change the quantity for the pay item "Conduit In Trench, 1 – ½ Inch" from 1,797 L.F. to 14,425 L.F.

Page 15: Item No. 24.1380 Change the quantity for the pay item "Ground Rod 10'" from 12.000 Ea. to 10.000 Ea.

Page 15: Delete Item No. 24.1503 "Luminaire, 250W HPSV-SC."

Page 15: Add Item No. 24.1508 "Luminaire, 250W HPSV-PC", Quantity = 11.000 Ea.

Page 15: Delete Item No. 24.1502 "Luminaire, 150W HPSV-SC"

Page 15: Add Item No. 24.1507 "Luminaire, 150W HPSV-PC", Quantity = 6.000 Ea.

Page 15: Item No. 24.5219 Change the quantity for the pay item "Install Mast Arm Pole Type MA-2" from 6.000 Ea. to 2.000 Ea.

Page 15: Item No. 24.5222 Change the quantity for the pay item "Install Mast Arm Pole, Type MA2 (Arm > 50') from 13.000 Ea. to 7.000 Ea.

Page 15: Add Item 50.0001 "Install Mast Arm Pole, Type MA2 (Arm > 50'), Less Traffic Mast Arm," Quantity = 6.000 Ea.

Page 15: Add Item 50.0001 "Install Mast Arm Pole, Type MA2, Less Traffic Mast Arm," Quantity = 2.000 Ea.

Page 16: Item No. 24.6011 Change the item description from "Install Traffic Signal Cabinet, Type C And Pad" to "Install Traffic Signal, Type C" and change the quantity from 2.000 Ea. to 3.000 Ea.

Page 16: Item No. 24.6020 Change the item description from "Install Locate Stake" to "Locate Stick" and change the quantity from 9.000 Ea. to 10.000 Ea. and delete all references to "Install" on the Plans.

Page 16: Item No. 4.6204 Change the bid unit for "Install and Adjust Emergency Receiver" from L.F. to Ea.

Page 16: Delete Item No. 50.0005 "Misc. Conduit In Trench, 1-1/2 Inch "H".

Page 17: Item No. 50.0001 Change the item description from "Misc. Street Light Pole, Type LS-EM-S-45-12T-5-0.25" to "Misc. Street Light Pole, Type SL-EM-S-45-12T-5-0.25."

PLAN SHEET MODIFICATIONS:

Plan Sheets 2 and 3: Modifications to item descriptions, units, or quantities as noted above in the revised Bidding Schedule will also be modified on the Schedule of Approximate Quantities plan sheets in the bid plan set. In addition to the Bidding Schedule modifications, the following corrections have been made:

Plan Sheet 2: Change the bid unit for "Crushed Rock Surfacing In Place" from S.Y. to Ton.

Plan Sheet 2: Add an asterisk after the bid item "Crushed Rock Surfacing In Place" and add an asterisk with the following note at the bottom of the second table: "Payment for Crushed Rock Surfacing In Place includes the removal of the rock after it is no longer needed."

Plan Sheet 3: Change the pay item for "Remove Traffic Signal, Complete" from L.S. to Ea.

Plan Sheet 77: Add detail for water main "Temporary Blow-Off Vertical Profile." See attached sheet for detail.

Plan Sheet 77a: Add the following note: "The Contractor shall verify the elevation of the water main from Station 161+77 to Station 163+88 prior to ordering fittings."

Various Sheets: Delete the words "with Blanket" in Buffalo Grass Plugs install notes. Buffalo grass plugs will not use a blanket.

CONTRACT AGREEMENT MODIFICATIONS:

Page 6: Delete information in "Completion Date" section and replace with the following:

“See special provision section “COMPLETION DATES.” for the completion date associated with the entire project as well as completion dates for the project individual phases.”

SPECIAL PROVISION MODIFICATIONS:

Make the following modifications to the Special Provisions:

Page 3: In the second paragraph delete the sentence “Liquidated damages will be assessed as identified in the special provisions section of the City of Lincoln Standard Specifications for Municipal Construction.”

Page 3: Add the following phrase to the end of the last sentence of the third paragraph: “except for landscaping operations.”

Page 4: Under City of Lincoln Water System, add the following sentence: “The Lincoln Water System will provide flushing and disinfection services on this project.”

Page 5: Replace the Lincoln Electric System contact information with the following:
Contact: Steve Wallingford
Phone (402) 467-7529

Page 12: Delete the last bullet referring to type of pipe and replace with “Water main pipe shall be Ductile Iron Pipe.”

Page 13: Change the quantity from 1 Ea. to 2 Ea. for “Metro Street Name Sign (Relocate – Use Existing)

Page 14: For the Beaver Creek Lane traffic signal change the quantity from 4 Ea to 2 Ea. for “MD-1 Probe”

Page 14: For the 56th Street & Pine Lake Road traffic signal change the mast arm length description from “MA-2-72-45-12T-5” to “MA-2-75-45-12T-5.”

Page 14: For the 59th Street & Pine Lake Road traffic signal, delete “4 Ea. Metro Street Name Sign.”

Page 15: For the Red Rock Lane & Pine Lake Road traffic signal, delete “4 Ea. Metro Street Name Sign.”

Page 18: Change the pay item for cover crop seeding from “Cover Crop Seeding” to “Cover Crop.”

Add the following sentence to the STATUS OF RIGHT OF WAY: “Right of way acquisition is anticipated to be completed prior to Contractor operations for each phase of construction.”

Add the following sections to the Special Provisions:

TRAFFIC SIGN GROUND SLEEVES

A. MATERIAL

The ground sleeve shall be Foresight 19-VR18 or approved equivalent.

B. INSTALLATION

The Contractor shall be responsible for installing the ground sleeve as indicated in the plans prior to the installation of the concrete medians. No coring shall be allowed to install the ground sleeve. In the event the ground sleeve is not installed, the concrete shall be removed to the nearest joint and reinstalled with ground sleeve in place. The ground sleeve shall be constructed plumb and care shall be taken during concrete finishing to avoid fines washing into the voids around the sleeve.

C. METHOD OF MEASUREMENT AND BASIS OF PAYMENT

Measurement and payment for ground sleeves shall be at the contract bid price, per each. The bid price shall be full compensation for delivering and installing the ground sleeves and for all labor, equipment, tools, materials, and incidentals necessary to complete the work in accordance with the plans and these Specifications.

MODIFICATIONS TO CHAPTER 10.00

Article 10.05 BASIS OF PAYMENT for the bid item "Crushed Rock Surfacing (In Place)"

The last sentence of the first paragraph is modified as follows:

"Such payment shall be full compensation for all materials; hauling, spreading, scarifying, compacting, and removal; application of water; and materials, equipment, tools, labor and incidentals necessary to complete the work."

MODIFICATIONS TO CHAPTER 21.00

Add the following to Chapter 21.00 STORM SEWERS:

Article 21.08, Section H REMOVAL OF EXISTING STRUCTURES. BASIS OF PAYMENT shall be modified to include the following removal items with the following:

"The removal of existing appurtenant structures as called for on the plans, completed in conformance with these specifications and accepted by the Engineer, shall be

counted and paid for at the unit price bid Per lineal foot for REMOVE 38" X 60" ELLIPTICAL PIPE,

"The removal of existing appurtenant structures as called for on the plans, completed in conformance with these specifications and accepted by the Engineer, shall be counted and paid for at the unit price bid Per lineal each for REMOVE 38" X 60" ELLIPTICAL FLARED END SECTION, and REMOVE R.C. BOX, WINGWALLS & HEADWALLS (COMPLETE). No classifications shall be made as to size of the structure or appurtenance. Such payment shall be full compensation for all excavation, removal to the line indicated, salvage as required, plugging, preparation of existing surfaces, backfill, materials, equipment, tools, labor and incidentals necessary to complete the removal.

Article 21.13 30" C.M.P. Storm Sewer

A. MATERIAL

30" C.M.P. Storm Sewer, 16 Gauge.

30" C.M.P. Storm Sewer, 16 Gauge

B. INSTALLATION

The Contractor shall be responsible for installing the 30" C.M.P. Storm Sewer, 16 Gauge as indicated in the plans.

C. METHOD OF MEASUREMENT AND BASIS OF PAYMENT

30" C.M.P. Storm Sewer, 16 Gauge constructed according to the plans and specifications and accepted by the Engineer shall be measured and paid for at the contract unit price per lineal foot. Such payment shall be full compensation for furnishing all materials, installation, compaction, removal, labor equipment, tools and incidentals necessary to complete the work.

Article 21.13 30" X 45 Degree C.M. Bend, 16 Gauge

A. MATERIAL

30" X 45 Degree C.M. Bend, 16 Gauge.

B. INSTALLATION

The Contractor shall be responsible for installing the 30" X 45 Degree C.M. Bend, 16 Gauge as indicated in the plans.

C. METHOD OF MEASUREMENT AND BASIS OF PAYMENT

30" X 45 Degree C.M. Bend, 16 Gauge constructed according to the plans and specifications and accepted by the Engineer shall be measured and paid for at the contract unit price per lineal foot. Such payment shall be full compensation for furnishing all materials, installation, compaction, removal, labor equipment, tools and incidentals necessary to complete the work.

PRE-BID MEETING:

Included as part of this addendum are the attached pre-bid meeting minutes.

Project Items

Item Number	Quantity	Unit	Unit Price	Extension
Section: 1 Removals				
01.0100	12,062.000	C.Y.	\$	\$
Pavement & Sidewalk Removal				
01.0210	500.000	L.F.	\$	\$
Type "A" Sawing				
01.0220	3,541.000	L.F.	\$	\$
Type "B" Sawing				
01.0230	133.000	L.F.	\$	\$
Type "C" Sawing				
02.0010	1.000	L.S.	\$	\$
General Clearing & Grubbing				
02.0020	25.000	Ea.	\$	\$
Tree Removal (12" to 23")				
Section 1 Total:				\$
Section: 2 Pavement and Miscellaneous Items				
01.0040	5,988.000	S.Y.	\$	\$
Asph. Conc. Pav't, Class 2 (6" Base)				
50.0035	500.000	Ton	\$	\$
Temporary Asphalt				
01.0140	737.000	Ton	\$	\$
Asph. Conc. Surface Course, For Arterial Street				
01.0170	12.000	Ea.	\$	\$
Adjust Manhole to Grade, Complete				
01.0180	18.000	Ea.	\$	\$
Adjust Water Valve Box To Grade, Complete				
01.0190	13.000	Ea.	\$	\$
Standard Monument Box (In Place)				

Item Number	Quantity	Unit	Unit Price	Extension
02.0110	93,356.000	C.Y.	\$	\$
Earth Borrow Measured in Embankment (E.Q.)				
03.0060	91,245.000	S.Y.	\$	\$
9" Portland Cement Conc. Pav't W/ Integral Curb				
06.0050	24.000	Ea.	\$	\$
Concrete Median Nose, (In Place)				
06.0060	41,297.000	S.F.	\$	\$
Concrete Median Surfacing, 4" Thick				
07.0020	104,515.000	S.F.	\$	\$
Concrete Sidewalk, 4" Thick				
07.0040	5,219.000	S.F.	\$	\$
Concrete Driveway, 5" Thick				
08.0015	129,185.000	Lb.	\$	\$
Reinforcing Steel for Retaining Walls (In Place)				
08.0020	1,436.000	C.Y.	\$	\$
Concrete for Retaining Walls (In Place)				
08.0025	3,044.000	S.F.	\$	\$
Modular Block Retaining Wall				
09.0070	1,588.000	L.F.	\$	\$
48" Pipe Railing Fence (In Place)				
10.0010	300.000	Ton	\$	\$
Crushed Rock Surfacing (In Place)				
30.0010	240,150.000	S.F.	\$	\$
Sodding, Complete				
30.0090	12.900	Ac.	\$	\$
Seeding, Type "D"				
32.0010	115.000	Bale	\$	\$
Straw Bale Dike Installation				

Item Number	Quantity	Unit	Unit Price	Extension
32.0020	115.000	Bale	\$	\$
Straw Bale Dike Maintenance				
32.0030	115.000	Bale	\$	\$
Straw Bale Dike Removal				
32.0040	7,405.000	L.F.	\$	\$
Synthetic Fabric Silt Fence Installation				
32.0050	7,405.000	L.F.	\$	\$
Synthetic Fabric Silt Fence Maintenance				
32.0060	7,405.000	L.F.	\$	\$
Synthetic Fabric Silt Fence Removal				
32.0070	96.000	Ea.	\$	\$
Install Storm Drain Inlet Protection				
32.0080	96.000	Ea.	\$	\$
Storm Drain Inlet Protection Maintenance				
32.0090	96.000	Ea.	\$	\$
Remove Storm Drain Inlet Protection				
50.0040	8,975.000	S.Y.	\$	\$
Install Type I Erosion Control Mat				
50.0040	8,975.000	S.Y.	\$	\$
Type I Erosion Control Mat Maintenance				
50.0005	100.000	L.F.	\$	\$
Sheet Piling (8' Sheets) For Construction Protection				
50.0045	69,128.000	S.F.	\$	\$
Buffalo Grass Plugs				
50.0020	8.000	Ac.	\$	\$
Cover Crop				
50.0015	1.000	L.S.	\$	\$
Construction Staking				

Item Number	Quantity	Unit	Unit Price	Extension
50.0015	1.000	L.S.	\$	\$
Traffic Control				
50.0015	1.000	L.S.	\$	\$
Mobilization				
50.0001	24.000	Ea.	\$	\$
Ground Sleeve				
50.0045	900.000	S.F.	\$	\$
Detectable Warning Panel				
50.0010	427.000	C.Y.	\$	\$
Compost				
			Section 2 Total:	\$
Section: 3 Markings				
13.0270	10,378.000	L.F.	\$	\$
Paint Marking, 4" Yellow				
13.0275	10,751.000	L.F.	\$	\$
Paint Marking, 4" White				
13.0280	10,673.000	L.F.	\$	\$
Paint Marking, 8" White				
13.0305	3,758.000	L.F.	\$	\$
Paint Marking, 12" White				
13.0300	424.000	L.F.	\$	\$
Paint Marking, 12" Yellow				
13.0530	70.000	L.F.	\$	\$
Remove Paint Marking, 4"				
13.0532	190.000	L.F.	\$	\$
Remove Paint Marking, 8"				
13.0533	400.000	L.F.	\$	\$
Remove Paint Marking, 12"				

Item Number	Quantity	Unit	Unit Price	Extension
50.0001	60.000	Ea.	\$	\$
Raised Pavement Markers				
Section 3 Total:				\$
Section: 4 Storm Drainage Items				
50.0005	55.000	L.F.	\$	\$
30" C.M.P. Storm Sewer, 16 Gauge				
50.0001	1.000	Ea.	\$	\$
30" x 45 Degree C.M. Bend, 16 Gauge				
50.0001	1.000	Ea.	\$	\$
30" C.M. F.E.S., 16 Gauge				
50.0005	150.000	L.F.	\$	\$
Remove 38" x 60" Elliptical Pipe				
50.0001	2.000	Ea.	\$	\$
Remove R.C. Box, Wingwalls & Headwalls (Complete)				
50.0001	1.000	Ea.	\$	\$
Remove 38" x 60" Elliptical Flared End Section				
21.1260	186.000	L.F.	\$	\$
Remove 42" Storm Sewer Pipe				
21.1270	170.000	L.F.	\$	\$
Remove 36" Storm Sewer Pipe				
21.1280	174.000	L.F.	\$	\$
Remove 30" Storm Sewer Pipe				
21.1290	1,098.000	L.F.	\$	\$
Remove 24" Storm Sewer Pipe				
21.1310	475.000	L.F.	\$	\$
Remove 18" Storm Sewer Pipe				
21.1320	117.000	L.F.	\$	\$
Remove 15" Storm Sewer Pipe				

Item Number	Quantity	Unit	Unit Price	Extension
21.1610	2.000	Ea.	\$	\$
Remove 48" R.C. Flared End Section				
21.1620	2.000	Ea.	\$	\$
Remove 42" R.C. Flared End Section				
21.1640	1.000	Ea.	\$	\$
Remove 30" R.C. Flared End Section				
21.1650	12.000	Ea.	\$	\$
Remove 24" R.C. Flared End Section				
21.1670	5.000	Ea.	\$	\$
Remove 18" R.C. Flared End Section				
21.1680	1.000	Ea.	\$	\$
Remove 15" R.C. Flared End Section				
21.1700	1.000	Ea.	\$	\$
Remove Storm Sewer Manhole (Complete)				
21.1710	11.000	Ea.	\$	\$
Remove Existing Inlet (Complete)				
21.1750	3.000	Ea.	\$	\$
Remove Existing Headwall (Complete)				
21.0030	220.000	L.F.	\$	\$
60" R.C.P. Storm Sewer, Class III				
21.0050	958.000	L.F.	\$	\$
48" R.C.P. Storm Sewer, Class III				
21.0070	1,490.000	L.F.	\$	\$
36" R.C.P. Storm Sewer, Class III				
21.0080	1,734.000	L.F.	\$	\$
30" R.C.P. Storm Sewer, Class III				
21.0090	521.000	L.F.	\$	\$
24" R.C.P. Storm Sewer, Class III				

Item Number	Quantity	Unit	Unit Price	Extension
21.0095	1,514.000	L.F.	\$	\$
21" R.C.P. Storm Sewer, Class III				
21.0100	2,819.000	L.F.	\$	\$
18" R.C.P. Storm Sewer, Class III				
21.0110	2,506.000	L.F.	\$	\$
15" R.C.P. Storm Sewer, Class III				
21.0560	1.000	Ea.	\$	\$
36" R.C. Flared End Section				
21.0570	1.000	Ea.	\$	\$
30" R.C. Flared End Section				
21.0590	1.000	Ea.	\$	\$
24" R.C. Flared End Section				
21.0600	1.000	Ea.	\$	\$
21" R.C. Flared End Section				
21.0610	1.000	Ea.	\$	\$
18" R.C. Flared End Section				
21.0620	1.000	Ea.	\$	\$
15" R.C. Flared End Section				
21.0770	21.000	Ea.	\$	\$
72" Storm Sewer Inlet (Complete)				
21.0780	63.000	Ea.	\$	\$
72" Canted Storm Sewer Inlet (Complete)				
21.0790	4.000	Ea.	\$	\$
72" Radius Storm Sewer Inlet (Complete)				
21.0830	7.000	Ea.	\$	\$
Grate Inlet, Type "F-2" (Complete)				
21.0870	1.000	Ea.	\$	\$
Storm Sewer Manhole, 54"-60" (Complete)				

Item Number	Quantity	Unit	Unit Price	Extension
21.0880	6.000	Ea.	\$	\$
Storm Sewer Manhole, 42"-48" (Complete)				
21.0890	5.000	Ea.	\$	\$
Storm Sewer Manhole, to 36" (Complete)				
21.0895	26.000	Ea.	\$	\$
Storm Sewer Manhole, 15" - 30" (Complete)				
21.0940	7.000	C.Y.	\$	\$
Concrete for Collars, Elbows & Headwalls (In Place)				
21.0950	567.000	Lb.	\$	\$
Reinf. Steel for Collars, Elbows & Hdws (In Place)				
21.1070	1.000	Ea.	\$	\$
Tap Existing R.C. Pipe				
21.1850	160.000	L.F.	\$	\$
4' R.C. Low Flow Liner				
21.2090	194.000	S.Y.	\$	\$
Geotextile Filter Fabric (In Place)				
21.2111	140.000	Ton	\$	\$
Rip-Rap (In Place)				
21.0930	31,800.000	Lb.	\$	\$
Reinf. Steel for Structures (In Place)				
21.0920	306.000	C.Y.	\$	\$
Concrete for Structures (In Place)				
Section 4 Total:				\$
Section: 5 Water Items				
23.0950	130.000	L.F.	\$	\$
Remove 6" Water Main				
23.0930	220.000	L.F.	\$	\$
Remove 12" Water Main				

Item Number	Quantity	Unit	Unit Price	Extension
23.0900	1,771.000	L.F.	\$	\$
Remove 24" Water Main				
23.1100	9.000	Ea.	\$	\$
Remove Hydrant (Complete)				
23.0080	288.000	L.F.	\$	\$
6" D.I. Pipe Water Main, CI 52 (Polywrapped)				
23.0070	80.000	L.F.	\$	\$
8" D.I. Pipe Water Main, CI 52 (Polywrapped)				
23.0060	650.000	L.F.	\$	\$
12" D.I. Pipe Water Main, CI 52 (Polywrapped)				
23.0030	1,801.000	L.F.	\$	\$
24" D.I. Pipe Water Main, CI 52 (Polywrapped)				
23.0120	1.000	Ea.	\$	\$
24" x 8" Tapping Sleeve & Valve, M.J.				
23.0110	5.000	Ea.	\$	\$
24" x 12" Tapping Sleeve & Valve, M.J.				
23.0450	1.000	Ea.	\$	\$
8" Gate Valve, M.J.				
23.0460	10.000	Ea.	\$	\$
6" Gate Valve, M.J.				
23.0490	9.000	Ea.	\$	\$
Hydrant, Complete L=5.5'				
23.0492	1.000	Ea.	\$	\$
Hydrant, Complete L=6.5'				
23.0538	1.000	Ea.	\$	\$
6" X 90 Deg. Bend, M.J.				
23.0540	8.000	Ea.	\$	\$
24" X 45 Deg. Bend, M.J.				

Item Number	Quantity	Unit	Unit Price	Extension
23.0544	8.000	Ea.	\$	\$
12" X 45 Deg. Bend, M.J.				
23.0546	9.000	Ea.	\$	\$
6" X 45 Deg. Bend, M.J.				
23.0560	3.000	Ea.	\$	\$
12" X 11.25 Deg. Bend, M.J.				
23.0583	1.000	Ea.	\$	\$
8" X 6" Tee, M.J.				
23.0644	4.000	Ea.	\$	\$
24" Solid Sleeve, M.J. (L=15")				
23.0648	4.000	Ea.	\$	\$
12" Solid Sleeve, M.J. (L=12")				
23.0651	4.000	Ea.	\$	\$
6" Solid Sleeve, M.J. (L=18")				
23.0592	1.000	Ea.	\$	\$
6" Anchoring Elbow, M.J.				
23.0594	3.000	Ea.	\$	\$
6" Anchoring Coupling, M.J. (L=18")				
23.0499	24.000	Ea.	\$	\$
24" Retainer Glands, M.J.				
23.0510	24.000	Ea.	\$	\$
12" Retainer Glands, M.J.				
23.0530	24.000	Ea.	\$	\$
6" Retainer Glands, M.J.				
23.0661	1.000	Ea.	\$	\$
8" Plug, M.J.				
23.0660	5.000	Ea.	\$	\$
12" Plug, M.J.				

Item Number	Quantity	Unit	Unit Price	Extension
23.0665	63.800	C.Y.	\$	\$
Conc. for Thrust Blocks & Anchorages (In Place)				
23.0670	2,425.000	Lb.	\$	\$
Reinf. Stl. for Thrust Blks & Anchorages				
23.0540	4.000	Ea.	\$	\$
24" X 45 Deg. Bend, M.J.				
Section 5 Total:				\$
Section: 6 Traffic Signals and Street Lighting Items				
24.0101	2.000	Ea.	\$	\$
Remove Traffic Signal, Complete				
24.0110	2,054.000	LF	\$	\$
Remove Cable				
24.0120	2.000	Ea.	\$	\$
Remove T.S. Head				
24.0121	2.000	Ea.	\$	\$
Remove P.S. Head				
50.0001	1.000	Ea.	\$	\$
Remove Signal Cabinet				
24.0122	2.000	Ea.	\$	\$
Remove PPB				
24.0225	2.000	Ea.	\$	\$
Relocate Metro Street Name Sign				
50.0005	20.000	L.F.	\$	\$
Relocate 6 Pr. Comm. Cable				
50.0005	63.000	L.F.	\$	\$
Relocate 6 MM				
24.0236	9.000	Ea.	\$	\$
Relocate Traffic Signal Head 1 Way				

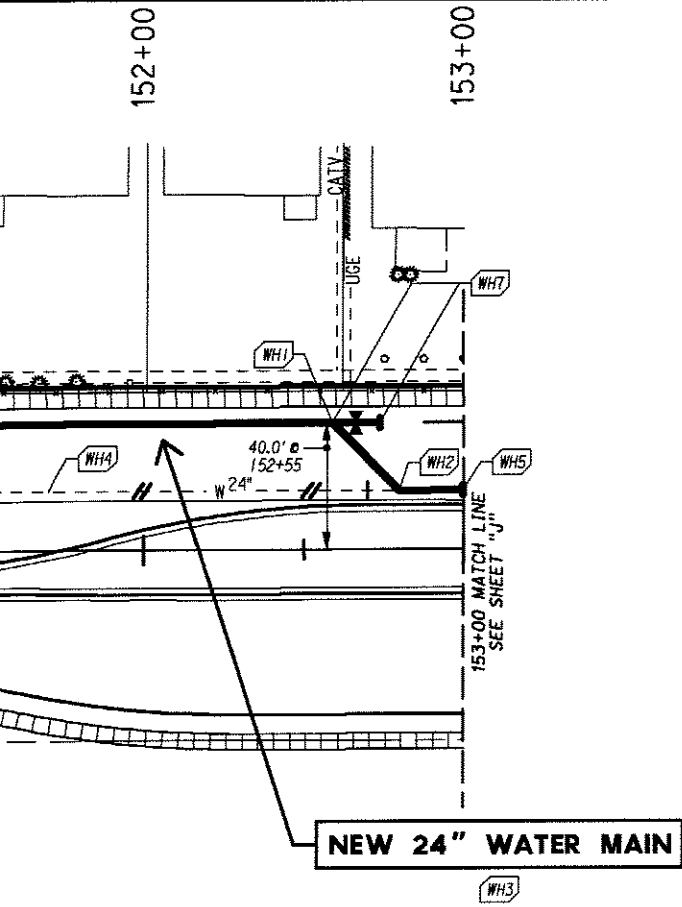
Item Number	Quantity	Unit	Unit Price	Extension
24.0247	1.000	Ea.	\$	\$
Relocate Luminaire, 250w. HPSV-PC				
24.0804	14.000	Ea.	\$	\$
Pull Box, Type PB-6				
24.0807	15.000	Ea.	\$	\$
Pull Box Type PB-9				
24.0810	38.000	Ea.	\$	\$
Pull Box, Type FOR27				
24.0894	55.000	LF	\$	\$
Conduit Bored In Place, 1-1/2"				
24.0899	396.000	L.F	\$	\$
Conduit Bored In Place, 4 inch "H"				
24.0900	77.000	L.F	\$	\$
Conduit In Trench, 1/2 Inch				
24.0903	14,425.000	L.F.	\$	\$
Conduit in Trench, 1-1/2 Inch				
24.0904	4,191.000	L.F.	\$	\$
Conduit in Trench, 2 Inch				
24.0905	176.000	L.F.	\$	\$
Conduit in Trench, 3 Inch				
24.0906	12,131.000	L.F.	\$	\$
Conduit in Trench, 4 Inch				
24.0914	246.000	L.F	\$	\$
Coaxial Cable				
24.0991	246.000	L.F	\$	\$
Camera Control Cable				
24.0992	1,588.000	L.F	\$	\$
Emergency Detector Cable				

Item Number	Quantity	Unit	Unit Price	Extension
24.0994	1,846.000	L.F.	\$	\$
Camera Detector Cable				
24.1001	3,332.000	L.F.	\$	\$
Traffic Signal Cable, 2 Conductor				
24.1002	1,163.000	L.F.	\$	\$
Traffic Signal Cable, 3 Conductor				
24.1005	1,332.000	L.F.	\$	\$
Traffic Signal Cable, 7 Conductor				
24.1016	514.000	L.F.	\$	\$
Traffic Signal Cable, 16 Conductor				
24.1020	1,332.000	L.F.	\$	\$
Traffic Signal Cable, 20 Conductor				
24.1040	9,803.000	L.F.	\$	\$
Detector Lead-In Cable, 2/Conductor				
24.1046	5,433.000	L.F.	\$	\$
Fiber Multimode Cable, 12				
24.1050	23,066.000	L.F.	\$	\$
Tracer Wire				
24.1054	836.000	L.F.	\$	\$
Service Cable No. 6 USE				
24.1064	369.000	L.F.	\$	\$
Circuit Ground, No. 6 USE				
24.1065	15,793.000	L.F.	\$	\$
Circuit Ground, No. 8 USE				
24.1072	738.000	L.F.	\$	\$
Street Light Cable, No. 4 USE in Conduit				
24.1073	30,586.000	L.F.	\$	\$
Street Light Cable, No. 6 USE In Conduit				

Item Number	Quantity	Unit	Unit Price	Extension
24.1194	11.000	Ea.	\$	\$
Detector, Vehicle Magnetic				
24.1380	10.000	Ea.	\$	\$
Ground Rod, 10'				
24.1469	54.000	Ea.	\$	\$
Street Light Pole, Type SL-A-C-45-12T-5-0.25				
24.1472	2.000	Ea.	\$	\$
Street Light Pole, Type SL-A-PI-45-12T-5-0.25				
24.1508	11.000	Ea.	\$	\$
Luminaire, 250W HPSV-PC				
24.1507	6.000	Ea.	\$	\$
Luminaire, 150W HPSV-PC				
24.1692	31.000	Ea.	\$	\$
Detector, Vehicle 4 Turns UC				
24.5219	2.000	Ea.	\$	\$
Install Mast Arm Pole Type MA-2				
24.5222	7.000	Ea.	\$	\$
Install Mast Arm Pole, Type MA2 (Arm > 50')				
50.0001	6.000	Ea.	\$	\$
Install Mast Arm Pole, Type MA2, (Arm > 50'), Less Traffic Mast Arm				
50.0001	2.000	Ea.	\$	\$
Install Mast Arm Pole, Type MA2, Less Traffic Mast Arm				
24.5801	6.000	Ea.	\$	\$
Install Traffic Signal, Type TS-1, T31				
24.5803	21.000	Ea.	\$	\$
Install Traffic Signal, Type TS-1, T36				
24.5807	4.000	Ea.	\$	\$
Install Traffic Signal, Type TS-1LL, T51B				

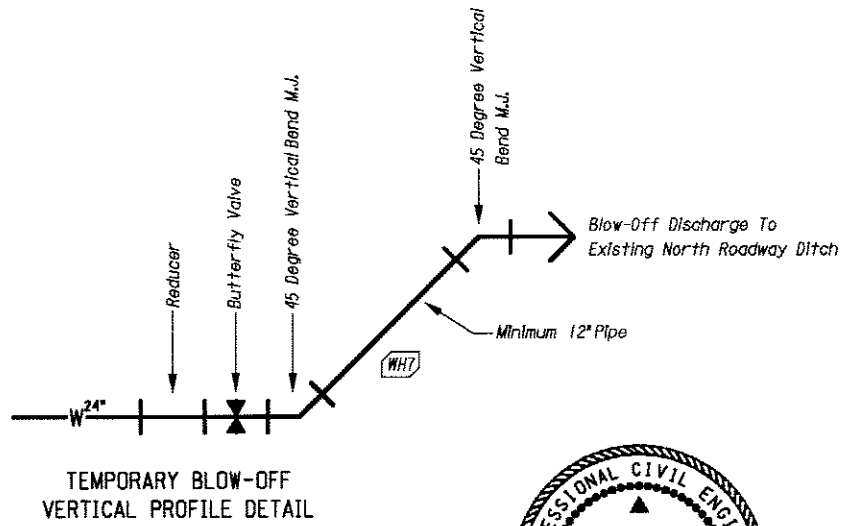
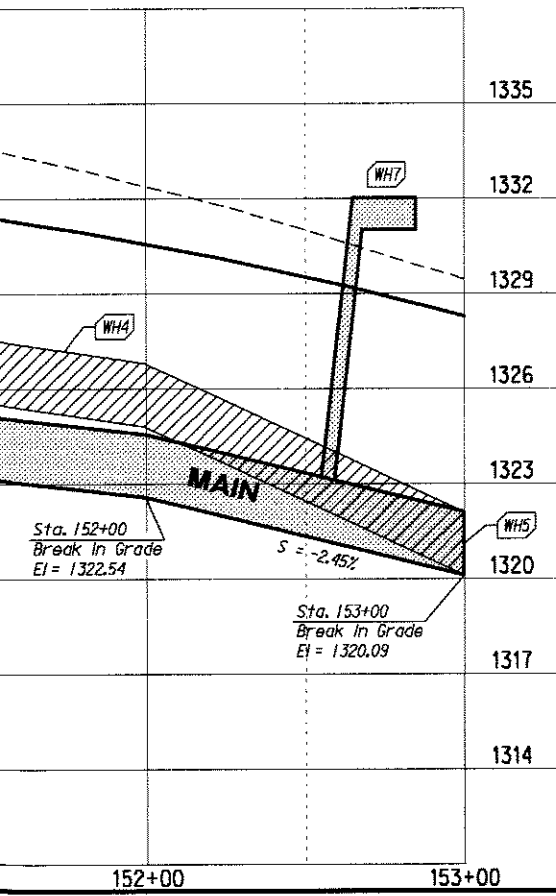
Item Number	Quantity	Unit	Unit Price	Extension
24.5808	6.000	Ea.	\$	\$
Install Traffic Signal, Type TS-1RR, T52				
24.5821	18.000	Ea.	\$	\$
Install Pedestrian Signal, Type PS-1, T13				
24.6011	3.000	Ea.	\$	\$
Install Signal Cabinet, Type C				
24.6020	10.000	Ea.	\$	\$
Locate Stick				
24.6102	18.000	Ea.	\$	\$
Install Pedestrian Push button				
24.6199	12.000	Ea.	\$	\$
Install & Adjust Detector Camera				
24.6204	9.000	Ea.	\$	\$
Install and Adjust Emergency Receiver				
24.6206	2.000	Ea.	\$	\$
Install Traffic Monitoring Camera				
50.0001	1.000	Ea.	\$	\$
Remove MA2, Complete				
50.0001	1.000	Ea.	\$	\$
Remove Traffic Mast Arm				
50.0001	4.000	L.F	\$	\$
Remove Detector Cable				
50.0001	11.000	Ea.	\$	\$
Street Light Pole, Type SL-EM-S-45-12T-5-0.25				
50.0001	1.000	Ea.	\$	\$
Install Traffic Mast (Arm > 50')				
50.0001	2.000	Ea.	\$	\$
Install Fiber Junction Cabinet				

Item Number	Quantity	Unit	Unit Price	Extension
24.6201	8.000	Ea.	\$	\$
Install Metro Street Name Sign				
Section 6 Total:				\$
Estimate Total:				\$



- WH1** Approx. Sta. 152+55 Lt. 40.0' Build 1-24"x45 Degree Horizontal Bend, M.J. & R.C. Thrust Block Conc. For Thrust Block = 0.4 C.Y. Steel For Thrust Block = 12.0 Lbs. Deflection = 45 Degree.
- WH2** Approx. Sta. 152+80 Lt. 19' Build 1-24"x45 Degree Horizontal Bend, M.J. & R.C. Thrust Block Conc. For Thrust Block = 0.4 C.Y. Steel For Thrust Block = 12.0 Lbs. Deflection = 45 Degree.
- WH3** Sta. 148+00 To 153+00 (This Sheet) Build 508 L.F. 24" Water Main.
- WH4** Sta. 148+00 TO 153+00 Remove And Dispose Of 500 L.F. 24" Water Main
- WH5** Sta. 153+00 Lt. 19' End New 24" Water Main Relocation. Build Connection To Existing 24" Water Main
- WH6** Remove Old Hydrant & Valve Box Sta. 149+50 Build New Type IV Hydrant Assembly. New Hydrant Location = 42.5' Lt. Hydrant Flange El. = 1333.23 Hydrant = 6.5' Bury
- WH7** Contractor To Furnish And Install Temporary D.I. Water Main, Reducer, Valve, Fittings And Restraints For Temporary Blow-Off To Use During Testing, Disinfection, And Flushing Of Relocated Main. Use Minimum 12" Water Main For Blow-Off. (Reducer, Valve, Pipe, Fittings And Restraints For Temporary Blow-Off Are Subsidiary To 24"D.I. Pipe Water Main.)

NOTE: Contractor Shall Build **WH1**, **WH2**, & **WH5** After Completion Of Testing, Disinfection And Flushing.



NOTE: For "Limits Of Construction" See Removal Sheets Or Right-Of-Way Sheets.

WATER

PRE-BID MEETING MINUTES
PINE LAKE ROAD WIDENING PROJECT 700014
SPEC. NO. 05-058
MARCH 3, 2005 - 10:00 TO 11:00

INTRODUCTIONS:

HWS Consulting Engineers - Frank Doland and Kim Beil
City Design Engineer - Kris Humphrey, absent
City Project Manager - Charlie Wilcox

The project is comprised of 5 Phases: The Tentative Start Date is April 11, 2005 or sooner if possible the overall project completion date is November 17, 2006 with very aggressive internal substantial completes dates as outlined in the Proposal Book Special Provisions.

Phase I - Consists of work in Pine Lake Road from 40th to just west of the Beaver Creek Lane intersection and also 24" water relocation, between Beaver Creek and Stephanie Lane.

Phase II - Consists of work in Pine Lake Road from Beaver Creek Lane to Sta. 141 + 50 and the intersection of Pine Lake Road & Beaver Creek Lane. All work for Phase I & II shall be substantially complete by August 16, 2005. The intersection of Beaver Creek Lane must be reopen to traffic within 14 days.

Phase III - Consists of work in Pine Lake Road from Sta. 141 + 50 to just west of 56th Street intersection (approximately Stephanie Lane) All work for Phase III shall be substantially complete by November 21, 2005.

Phase IV - Consists of work in Pine Lake Road from Sta. 162 + 87 to just east of 61st Street. All work must be substantially complete by July 26, 2006.

Phase V - Consists of work in 56th Street from Stephanie Lane to Thompson Creek Blvd.

Dirt Stockpile - The excess earthwork from Phase I, II and III can be stockpiled at the SW corner of 56th & Pine Lake Road. Phase IV earthwork can be stockpiled north of Pine Lake Road between 59th to 61st in the temporary easement as long as it does not interfere with the temporary drive.

During Phase I and II Beaver Creek Lane Intersection is to remain open at all times for north south traffic and pedestrian flow except for the 14 days allowed to complete that intersection. Signals must also be operational within that 14 days.

Phase IV cannot begin until Phase III is complete. Box culvert at St. 162 + 87 can be constructed in early 2006.

Right-of-Way - There are 3-4 properties that will be going to condemnation April 1st and we are still negotiating with the Homeowners Associations for 6 tracts along Pine Lake Road.

Larry Kathol says the only street lights that will not be working on Pine Lake Road are between Stephanie Lane to 56th Street over winter.

